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OM protein - protein search, using sw model

Run on: June 3, 2003, 15:05:33 ; Search time 15 Seconds
(without alignments)
468.805 Million cell updates/sec

Title: US-09-887-784-4
Perfect score: 1274
Sequence: 1 MVSKEGELFTGVVPILVELD.....VLLGFVTAAGITLGMDELYK 239

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1263	99.1	239	4	US-09-172-063-3
2	1263	99.1	239	4	US-09-513-783A-46
3	1263	99.1	239	4	US-09-316-919-5
4	1263	99.1	281	4	US-09-052-102-1
5	1263	99.1	281	4	US-09-364-946-1
6	1263	99.1	294	4	US-09-513-783A-2
7	1263	99.1	323	4	US-09-172-063-21
8	1263	99.1	364	4	US-09-085-305-6
9	1263	99.1	459	4	US-09-513-783A-170
10	1263	99.1	642	2	US-08-818-253-2
11	1263	99.1	642	2	US-08-818-253-6
12	1263	99.1	642	4	US-08-818-252-2
13	1263	99.1	642	4	US-08-818-252-6
14	1263	99.1	652	2	US-08-818-252-4
15	1263	99.1	652	4	US-08-818-252-4
16	1263	99.1	783	4	US-09-513-783A-176
17	1263	99.1	805	4	US-09-513-783A-178
18	1263	99.1	890	4	US-09-513-783A-174
19	1263	99.1	943	4	US-09-513-783A-172
20	1263	99.1	1407	4	US-08-974-549A-628
21	1260	99.9	239	4	US-09-094-359-4
22	1259	98.8	239	4	US-09-121-539-14
23	1254	98.4	239	4	US-09-513-783A-48
24	1254	98.4	1056	4	US-09-513-783A-32
25	1254	98.4	1610	4	US-09-513-783A-22
26	1249	98.0	247	3	US-08-893-327-18
27	1248	98.0	238	3	US-08-893-327-16

28	1248	98.0	239	4	US-09-172-063-4	Sequence 4, Appl1
29	1248	98.0	239	4	US-09-316-919-5	Sequence 5, Appl1
30	1248	98.0	255	4	US-09-172-063-20	Sequence 20, Appl1
31	1248	98.0	323	4	US-09-172-063-22	Sequence 22, Appl1
32	1247	97.9	238	1	US-08-337-915A-2	Sequence 2, Appl1
33	1247	97.9	238	4	US-09-121-539-1	Sequence 1, Appl1
34	1247	97.9	238	5	PCT-US95-14692-2	Sequence 2, Appl1
35	1247	97.9	239	3	US-08-646-538-2	Sequence 2, Appl1
36	1247	97.9	239	4	US-09-503-222-2	Sequence 2, Appl1
37	1245	97.7	239	4	US-09-094-359-6	Sequence 6, Appl1
38	1245	97.7	239	4	US-09-513-783A-44	Sequence 44, Appl1
39	1245	97.7	255	4	US-09-094-359-14	Sequence 14, Appl1
40	1245	97.7	541	4	US-09-513-783A-34	Sequence 34, Appl1
41	1245	97.7	656	2	US-08-818-233-8	Sequence 8, Appl1
42	1245	97.7	656	4	US-08-818-252-8	Sequence 4, Appl1
43	1245	97.7	812	4	US-09-513-783A-4	Sequence 6, Appl1
44	1245	97.7	812	4	US-09-513-783A-6	Sequence 2, Appl1
45	1244	97.6	1070	4	US-09-091-042A-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-09-172-063-3
; Sequence 3, Application US/09172063
; Patent No. 6150176
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; APPLICANT: Llopis, Juan
; APPLICANT: Wachter, Rebekka M.
; APPLICANT: Remington, S. James
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
; FILE REFERENCE: 07257/071001
; CURRENT APPLICATION NUMBER: US/09/172,063
; EARLIER FILING DATE: 1998-10-13
; EARLIER APPLICATION NUMBER: 09/094,359
; EARLIER FILING DATE: 1998-06-09
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Aequorea victoria
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: EGFP
US-09-172-063-3

Query Match	99.1%	Score	1263;	DB	4;	Length	239;
Best Local Similarity	99.2%	Pred. No.	1.2e-127;				
Matches	237;	Conservative	1;	Mismatches	1;	Indels	0;
Gaps	0;						
QY	1	MVSKGEELFTGVVPILVELDGVN	GKFSVSGEGEDATY	GKLT	KFKICTTGKLPVPWPT	60	
DB	1	MVSKGEELFTGVVPILVELDGVN	GKFSVSGEGEDATY	GKLT	KFKICTTGKLPVPWPT	60	
QY	61	LVTTLSYGVQCFSRYPDMKHQD	PFKSA	MPG	YVQERTIFFKDDGNTKTRAEV	FEQDGL	120
DB	61	LVTTLSYGVQCFSRYPDMKHQD	PFKSA	MPG	YVQERTIFFKDDGNTKTRAEV	FEQDGL	120
QY	121	VNRTELKIDFKEDGNILGHKLE	YNSHN	YINADKQKNGIKVNF	KIRHINIEDSVOLA	180	
DB	121	VNRTELKIDFKEDGNILGHKLE	YNSHN	YINADKQKNGIKVNF	KIRHINIEDSVOLA	180	
QY	181	DHYQONTPIGDGPVLLPDN	HYLS	TSQS	ALS	KDPNPKRDMVLLG	FVTAAGITLGMDELYK 239
DB	181	DHYQONTPIGDGPVLLPDN	HYLS	TSQS	ALS	KDPNPKRDMVLLG	FVTAAGITLGMDELYK 239

RESULT 2

US-09-513-783A-46

; Sequence 46, Application US/09513783A

; Patent No. 6416959

; GENERAL INFORMATION:

; APPLICANT: Giuliano, Kenneth A.

; TITLE OF INVENTION: A System for Cell Based Screening

; FILE REFERENCE: 97-022-L1

; CURRENT APPLICATION NUMBER: US/09/513,783A

; CURRENT FILING DATE: 2000-02-25

; NUMBER OF SEQ ID NOS: 180

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 46

; LENGTH: 239

; TYPE: PRT

; ORGANISM: Artificial Sequence

; OTHER INFORMATION: Description of Artificial Sequence: EGFP

US-09-513-783A-46

Query Match 99.1%; Score 1263; DB 4; Length 239;

Best Local Similarity 99.2%; Pred. No. 1.2e-127;

Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

DB 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

DB 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

QY 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

DB 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239

DB 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239

RESULT 3

US-09-316-919-4

; Sequence 4, Application US/09316919

; Patent No. 6469154

; GENERAL INFORMATION:

; APPLICANT: Tsien, Roger Y.

; TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS

; FILE REFERENCE: 07257/073001

; CURRENT APPLICATION NUMBER: US/09/316,919

; CURRENT FILING DATE: 1999-05-21

; NUMBER OF SEQ ID NOS: 63

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 239

; TYPE: PRT

; ORGANISM: Aequorea victoria

US-09-316-919-4

Query Match

Best Local Similarity 99.1%; Score 1263; DB 4; Length 239;

Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

DB 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

DB 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

QY 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180
DB 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239
DB 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239

RESULT 4

US-09-062-102-1

; Sequence 1, Application US/09062102

; Patent No. 6130313

; GENERAL INFORMATION:

; APPLICANT: Kain, Steve

; TITLE OF INVENTION: Rapidly Degrading GFP-Fusion Proteins and Methods

; FILE REFERENCE: D6100

; CURRENT APPLICATION NUMBER: US/09/062,102

; CURRENT FILING DATE: 1998-04-17

; EARLIER APPLICATION NUMBER: US 60/060,855

; EARLIER FILING DATE: 1997-10-02

; NUMBER OF SEQ ID NOS: 3

; SEQ ID NO 1

; LENGTH: 281

; TYPE: PRT

; ORGANISM: artificial sequence

; FEATURE:

; OTHER INFORMATION: Sequence of the EGFP-WDC422-461 fusion protein.

; Patent No. 6130313

US-09-062-102-1

Query Match

Best Local Similarity 99.1%; Score 1263; DB 4; Length 281;

Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

DB 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYKLTILKFICTTGKLPVPWPT 60

QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

DB 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKEGDTL 120

QY 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

DB 121 VNRIELKGIKDFKEDGNILGHKLEYNSHNHYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239

DB 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSADPNKRDHMLVLLGFVTAAGITLGMDELYK 239

RESULT 5

US-09-364-946-1

; Sequence 1, Application US/09364946

; Patent No. 6306600

; GENERAL INFORMATION:

; APPLICANT: Kain, Steve

; TITLE OF INVENTION: Rapidly Degrading GFP-Fusion Proteins and Methods

; FILE REFERENCE: D6100CIP/D2

; CURRENT APPLICATION NUMBER: US/09/364,946

; CURRENT FILING DATE: 1999-07-30

; EARLIER APPLICATION NUMBER: US 09/191,233

; EARLIER FILING DATE: 1998-11-13

; NUMBER OF SEQ ID NOS: 14

; SEQ ID NO 1

; LENGTH: 281

; TYPE: PRT

; ORGANISM: artificial sequence

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; FEATURE:
; OTHER INFORMATION: Sequence of the EGFP-MODC422-461 fusion protein.
; Patent No. 6306600
US-09-364-946-1

Query Match          99.1%; Score 1263; DB 4; Length 281;
Best Local Similarity 99.2%; Pred. No. 1.6e-127; Indels 0; Gaps 0;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 60
Db 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 60
QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 120
QY 121 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 121 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 239
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 239

RESULT 6
US-09-513-783A-2
; Sequence 2, Application US/09513783A
; Patent No. 6416959
; GENERAL INFORMATION:
; APPLICANT: Giuliano, Kenneth A.
; APPLICANT: Kapur, Ravi
; TITLE OF INVENTION: A System for Cell Based Screening
; FILE REFERENCE: 97-022-11
; CURRENT APPLICATION NUMBER: US/09/513,783A
; CURRENT FILING DATE: 2000-02-25
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: GFP-DEVD-Annexin II construct
US-09-513-783A-2

Query Match          99.1%; Score 1263; DB 4; Length 294;
Best Local Similarity 99.2%; Pred. No. 1.7e-127; Indels 0; Gaps 0;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 60
Db 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 60
QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 120
QY 121 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 121 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 239
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 239

RESULT 7
US-09-172-063-21
; Sequence 21, Application US/09172063
; Patent No. 6150176
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; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; APPLICANT: Llopis, Juan
; APPLICANT: Wachter, Rebekka M.
; APPLICANT: Remington, S. James
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; FILE REFERENCE: 07257/071001
; CURRENT APPLICATION NUMBER: US/09/172,063
; CURRENT FILING DATE: 1998-10-13
; EARLIER APPLICATION NUMBER: 09/094,359
; EARLIER FILING DATE: 1998-06-09
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Aequorea victoria
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: GT-EGFP
US-09-172-063-21

Query Match          99.1%; Score 1263; DB 4; Length 323;
Best Local Similarity 99.2%; Pred. No. 1.9e-127; Indels 0; Gaps 0;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 60
Db 85 MVSKEELFTGVVPILVELDGVNKGKFSVSGEGEDATYGLTKLTKFICTTCKLPVPWPT 144
QY 61 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 145 LVTTLSYGVCFSRYPDHMKQHDFFKSAPEGVVQERTIFFKDDGNYKTRAEVKFEGDTL 204
QY 121 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 205 VRIELKGIDFKEDGNILGHKLEYNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 264
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 239
Db 265 DHYQONTPIGDPVLLPDNHYLSTQSALSADPNKRDHMLVLFVTAAGITLGMDELK 323

RESULT 8
US-09-085-305-6
; Sequence 6, Application US/09085305
; Patent No. 6191269
; GENERAL INFORMATION:
; APPLICANT: Pollock, Allan
; APPLICANT: Lovett, David H.
; APPLICANT: Turck, Johanna
; TITLE OF INVENTION: Selective Induction of Apoptosis in
; TITLE OF INVENTION: Malignant Cancer Cells by Delivery of N-Terminal
; TITLE OF INVENTION: Interleukin-1 Alpha Pro-Piece Polypeptide
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESS: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,305
; FILING DATE: 29-MAY-1998
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Francis, Carol L
REGISTRATION NUMBER: 36,513
REFERENCE/DOCKET NUMBER: 6510/1020S1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3400
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-085-305-6

Query Match 99.1%; Score 1263; DB 4; Length 364;
Best Local Similarity 99.2%; Pred. No. 2.3e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 60
DB 126 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 185
QY 61 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 120
DB 186 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 245
QY 121 VNRIELKIGIDFKEDGNILGHKLEYNYNHSHVYINADKQKNGIKVNFIRHNIEDGSVOLA 180
DB 246 VNRIELKIGIDFKEDGNILGHKLEYNYNHSHVYINADKQKNGIKVNFIRHNIEDGSVOLA 305
QY 181 DRYOQNTPIGDPVLLPDNHYLSTQSALS KDPNEKRDHMLVGLFVTAAGITLGMDELYK 239
DB 306 DRYOQNTPIGDPVLLPDNHYLSTQSALS KDPNEKRDHMLVGLFVTAAGITLGMDELYK 364

RESULT 9
US-09-513-783A-170
Sequence 170, Application US/09513783A
Patent No. 6416959
GENERAL INFORMATION:
APPLICANT: Giuliano, Kenneth A.
TITLE OF INVENTION: A System for Cell Based Screening
FILE REFERENCE: 97-022-LI
CURRENT APPLICATION NUMBER: US/09/513,783A
CURRENT FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 180
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 170
LENGTH: 459
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: GFP-HSP27
US-09-513-783A-170

Query Match 99.1%; Score 1263; DB 4; Length 459;
Best Local Similarity 99.2%; Pred. No. 3.3e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 60
DB 1 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 60
QY 61 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 120
DB 61 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 120

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Francis, Carol L
REGISTRATION NUMBER: 36,513
REFERENCE/DOCKET NUMBER: 6510/1020S1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3400
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-085-305-6

Query Match 99.1%; Score 1263; DB 2; Length 642;
Best Local Similarity 99.2%; Pred. No. 5.4e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 60
DB 404 MYSKGEELFTGVVPLVELDGVNGHFKFSVSGEGDATYKGLTKFKICTTGLKLPVWPT 463
QY 61 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 120
DB 464 LVTTLSYGVQCFSPYDPMKQHDFFKSAMPEGYVOERTIFFKDDGNYKTRAEVKEFGDTL 523
QY 121 VNRIELKIGIDFKEDGNILGHKLEYNYNHSHVYINADKQKNGIKVNFIRHNIEDGSVOLA 180
DB 524 VNRIELKIGIDFKEDGNILGHKLEYNYNHSHVYINADKQKNGIKVNFIRHNIEDGSVOLA 583
QY 181 DRYOQNTPIGDPVLLPDNHYLSTQSALS KDPNEKRDHMLVGLFVTAAGITLGMDELYK 239
DB 584 DRYOQNTPIGDPVLLPDNHYLSTQSALS KDPNEKRDHMLVGLFVTAAGITLGMDELYK 642
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RESULT 11
US-08-818-253-6 Application US/08818253
Sequence 6, Application US/08818253
Patent No. 5998204
GENERAL INFORMATION:
APPLICANT: Tsien, Roger Y.
APPLICANT: Miyawaki, Atsushi
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
DETECTION OF ANALYTES
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,253
FILING DATE: 14-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Halle, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07257/043001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 642 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-818-253-6

Query Match 99.1%; Score 1263; DB 2; Length 642;
Best Local Similarity 99.2%; Pred. No. 5.4e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 60
DB 404 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 463
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 120
DB 464 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 523
QY 121 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 180
DB 524 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 583
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSCKDPNEKRDHMLLGFVTAAGITLGMDELYK 239
DB 584 DHYQONTPIGDGPVLLPDNHYLSTQSALSCKDPNEKRDHMLLGFVTAAGITLGMDELYK 642

RESULT 12
US-08-818-252-2
Sequence 2, Application US/08818252B
Patent No. 6197928
GENERAL INFORMATION:
APPLICANT: Tsien, Roger Y.

APPLICANT: Miyawaki, Atsushi
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
DETECTION OF ANALYTES
FILE REFERENCE: 07257/042001
CURRENT APPLICATION NUMBER: US/08/818,252B
CURRENT FILING DATE: 1997-03-14
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 642
TYPE: PRT
ORGANISM: Aequorea victoria
US-08-818-252-2

Query Match 99.1%; Score 1263; DB 4; Length 642;
Best Local Similarity 99.2%; Pred. No. 5.4e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 60
DB 404 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 463
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 120
DB 464 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 523
QY 121 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 180
DB 524 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 583
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSCKDPNEKRDHMLLGFVTAAGITLGMDELYK 239
DB 584 DHYQONTPIGDGPVLLPDNHYLSTQSALSCKDPNEKRDHMLLGFVTAAGITLGMDELYK 642

RESULT 13

US-08-818-252-6
Sequence 6, Application US/08818252B
Patent No. 6197928

GENERAL INFORMATION:
APPLICANT: Tsien, Roger Y.
APPLICANT: Miyawaki, Atsushi
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
DETECTION OF ANALYTES
FILE REFERENCE: 07257/042001
CURRENT APPLICATION NUMBER: US/08/818,252B
CURRENT FILING DATE: 1997-03-14
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 642
TYPE: PRT
ORGANISM: Aequorea victoria
US-08-818-252-6

Query Match 99.1%; Score 1263; DB 4; Length 642;
Best Local Similarity 99.2%; Pred. No. 5.4e-127;
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 60
DB 404 MVSKEELFTGVVPLVLDGVDVNGHFKFSVSGEGDATYKGLTKFKICTTGKLPVWPMT 463
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 120
DB 464 LVTTLSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNKTRAEVKFEGDTL 523
QY 121 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 180
DB 524 VNRLEKIDGDFKEDGNILGHKLEYNNSHNHYIMADKQNGIKRVNFKIRHNIEDGSVOLA 583
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSCKDPNEKRDHMLLGFVTAAGITLGMDELYK 239

Db 584 DHYQONTPIGDPVLLPDNHYLSTQSALSCKDNEKRDHMLLEFVTAAGITLGMDELYK 642

RESULT 14

US-08-818-253-4

; Sequence 4, Application US/08818253

; Patent No. 5998204

; GENERAL INFORMATION:

; APPLICANT: Tsien, Roger Y.

; APPLICANT: Miyawaki, Atsushi

; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR

; DETECTION OF ANALYTES

; NUMBER OF SEQUENCES: 61

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C.

; STREET: 4225 Executive Square, Suite 1400

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows 95

; SOFTWARE: FastSeq for Windows version 2.0b

; CURRENT APPLICATION DATA: US/08/818,253

; FILING DATE: 14-MAR-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Haile, Ph.D., Lisa A.

; REGISTRATION NUMBER: 38,347

; REFERENCE/DOCKET NUMBER: 07257/043001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619/678-5070

; TELEFAX: 619/678-5099

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 652 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; FRAGMENT TYPE: internal

US-08-818-253-4

Query Match 99.1%; Score 1263; DB 2; Length 652;

Best Local Similarity 99.2%; Pred. No. 5.5e-127;

Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNHNKFSVSGEGDATYKLTFLKFICTTGKLPVPWPT 60

Db 404 MVSKEELFTGVVPILVELDGVNHNKFSVSGEGDATYKLTFLKFICTTGKLPVPWPT 463

QY 61 LVTTLSYGVQCFSRYPDHMKQDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 464 LVTTLSYGVQCFSRYPDHMKQDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 523

QY 121 VNRLEKIGIDPKEDGNILGHKLEYNYNHNYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

Db 524 VNRLEKIGIDPKEDGNILGHKLEYNYNHNYIMADKQKNGIKVNFKIRHNIEDGSVOLA 583

QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSCKDNEKRDHMLLEFVTAAGITLGMDELYK 239

Db 584 DHYQONTPIGDPVLLPDNHYLSTQSALSCKDNEKRDHMLLEFVTAAGITLGMDELYK 642

RESULT 15

US-08-818-252-4

; Sequence 4, Application US/08818252B

; Patent No. 6197928

; GENERAL INFORMATION:

; APPLICANT: Tsien, Roger Y.

; APPLICANT: Miyawaki, Atsushi

; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR

; DETECTION OF ANALYTES

; FILE REFERENCE: 07257/042001

; CURRENT APPLICATION NUMBER: US/08/818,252B

; CURRENT FILING DATE: 1997-03-14

; NUMBER OF SEQ ID NOS: 56

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 652

; TYPE: PRT

; ORGANISM: Aequorea victoria

US-08-818-252-4

Query Match

Best Local Similarity 99.1%; Score 1263; DB 4; Length 652;

Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPILVELDGVNHNKFSVSGEGDATYKLTFLKFICTTGKLPVPWPT 60

Db 404 MVSKEELFTGVVPILVELDGVNHNKFSVSGEGDATYKLTFLKFICTTGKLPVPWPT 463

QY 61 LVTTLSYGVQCFSRYPDHMKQDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 464 LVTTLSYGVQCFSRYPDHMKQDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 523

QY 121 VNRLEKIGIDPKEDGNILGHKLEYNYNHNYIMADKQKNGIKVNFKIRHNIEDGSVOLA 180

Db 524 VNRLEKIGIDPKEDGNILGHKLEYNYNHNYIMADKQKNGIKVNFKIRHNIEDGSVOLA 583

QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSCKDNEKRDHMLLEFVTAAGITLGMDELYK 239

Db 584 DHYQONTPIGDPVLLPDNHYLSTQSALSCKDNEKRDHMLLEFVTAAGITLGMDELYK 642

Search completed: June 3, 2003, 15:09:32

Job time : 26 secs